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 FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

50X1-HUM

COUNTRY Hungary  
 SUBJECT Economic - Capital goods  
 HOW PUBLISHED Daily newspapers  
 WHERE PUBLISHED Budapest  
 DATE PUBLISHED 5 Jun - 14 Aug 1952  
 LANGUAGE Hungarian

DATE OF INFORMATION 1952

DATE DIST. 15 Nov 1952

NO. OF PAGES 3

SUPPLEMENT TO REPORT NO.

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NEW HUNGARIAN PRODUCTION EQUIPMENT

WILL MAKE LOADING MACHINE -- Budapest, Magyar Nemzet, 27 Jul 52

The Duclos Banyagegyar (Duclos Mining Machine Factory) will begin to manufacture the most recent type Soviet loading machine in series next year. Parts for the prototype are now being made at the Sztalin Acelmuevek (Stalin Steelworks) and the foundry of the Voroschillag Traktorgyar (Red Star Tractor Factory).

PLAN MORE TUNNELING SHIELDS, CONCRETE TAMPER -- Budapest, Esti Budapest, 14 Aug 52

The cold rolling mills of MAVAG (Magyar Allami Vas, Acel es Gepgyar, Hungarian State Iron, Steel, and Machine Factory) are working on a fourth tunneling shield for the Budapest subway, and plan to complete two more shields by 15 November 1952. This will make a total of six tunneling shields in one year.

With the help of Soviet Engineer P. A. Baychev, the Epitoipar Gepesito Trooszt (Building Industry Mechanizing Trust) has prepared a test vibrating concrete tamper.

The tamper consists of a 6-meter-long iron table which is set into vibration by a built-in electric motor geared to roller bearings mounted on a spring. Operating at the rate of 3,500 vibrations per minute, it reduces a 2-hour tamping job to 15 minutes.

PREPARE HUGE DRIVING GEAR -- Budapest, Esti Budapest, 25 Jul 52

The Ganz Wagon es Gepgyar (Ganz Railroad Car and Machine Factory) is making a huge driving gear for the recently built tubing mills of the Rakosi Matyas Muevek (Matyas Rakosi Works).

- 1 -

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The driving gear, which will weigh over 50 tons, is to be the motor for the tubing mills' tube bank.

The target date for the driving gear has been shifted from 30 July 1953 to the end of this year.

COMPLETE POWERFUL X-RAY MACHINE -- Budapest, Esti Budapest, 16 Jul 52

The Rontgengyar (Roentgen Factory) has completed a new industrial X-ray machine capable of penetrating 50-60 millimeter thick metals. It will be used to probe structural iron and steel.

The first four machines are slated for the Muszergazdasagi Iroda (Office of Instruments Administration), and will be ready shortly.

EVOLVE SYNTHETIC MOLDING SAND BINDER -- Budapest, Nepszava, 26 Jul 52

Because they have found a way of converting natural bentonite into alkaline deactivated bentonite, usable as a binder in synthetic molding sand, a group of nine scientists received awards totaling 100,000 forints. The group had been detailed to do research which would turn locally abundant bentonite into a substance adapted for metallurgical processes.

The discovery of a cheap and readily available molding sand binder permits Hungary to switch to wet molds greensand, which means a tremendous saving in fuel as well as more accurate casting.

The awards were made last Thursday by Erno Duna, President of the National Patent Office.

Alkaline bentonite will soon be available for export.

WILL COMPLETE FOUNDRY -- Budapest, Nepszava, 8 Jun 52

A foundry which was begun 6 weeks ago to handle the work of the Budapesti Villamosgepes Kabelgyar (Budapest Electric Machine and Cable Factory) will be completed by 1 October.

Up to now, 30 outside concerns have been making the castings for the above enterprise.

COATING STRENGTHENS MACHINE BLADES -- Budapest, Nepszava, 5 Jun 52

Research engineers at the Gepipari Technologiai Intezet (Machine Industry Technological Institute) have devised an apparatus that will coat the blades of heavy industrial machinery with hard, durable metal. The coating is expected to permit lathers, whose present maximum speed averages 60-80 meters a minute, to accelerate cutting 25 percent. Blades should retain their usability five times as long as before coating.

Blueprints of the new apparatus have already been distributed to 15 heavy-industry concerns. At EMAG (First Hungarian Agricultural Machine Factory) engineers are experimenting to determine the effects of coating on the blades of agricultural combines and reapers.

- 2 -

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WILL ASSEMBLE EXCAVATORS -- Budapest, Szabad Nep, 22 Jun 52

The Kozlekedesfelszerelési Vállalat (Transportation Equipment Enterprise) is working on the first pair of excavators ever manufactured in Hungary. Sixty percent of the castings needed to assemble the machines have already been received from the Ganz Wagon es Gepgyar and the Rakosi Matyas Muvek.

According to plan, the excavators will be ready for use by the end of September.

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- 3 -

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